

### **REMARKS**

Claims 1-30 were pending in the application and all were rejected. Claims 1, 3, 23, 24, 25, 26, and 28-30 have been amended. Applicant respectfully requests reconsideration.

### **SPECIFICATION**

The Office Action objected to the disclosure because of an antecedent basis problem. Therefore, claim 24 was amended to recite a processor unit instead of the control unit. Support for this amendment is found at paragraph [0066] of the specification as published in Pub. No. 2006/0271530 A1.

### **CLAIM REJECTIONS UNDER 35 USC §101**

The Office Action rejected claims 23, 26, and 30 under 35 USC 101 as being directed to non-statutory subject matter. Therefore, to overcome the rejection, claims 23, 26, and 30 were amended to delete “computer program element” and to substitute “storage medium” therefor.

### **CLAIM REJECTIONS UNDER 35 USC §102**

The Office Action has rejected claims 1-8, 14-16, and 18-30 under 35 USC 102(a) as being anticipated by Waldvogel et al. Applicant respectfully points out that the date of the Waldvogel publication is December 1, 2003, not January 12, 2003 as the Office Action contends. The date shown in the Waldvogel is shown as “01.12.2003” which according to Swiss custom

means "first of December, 2003." Further evidence of a December publication date is shown on <http://marcel.wanda.ch/Publications/waldvogel03secure-slides>, a copy of which is attached hereto. The priority date of the instant application is June 30, 2003. Therefore, Waldvogel is not **prior art** to the instant application and cannot anticipate the rejected claims.

For the foregoing reasons, Applicant respectfully requests allowance of the pending claims.

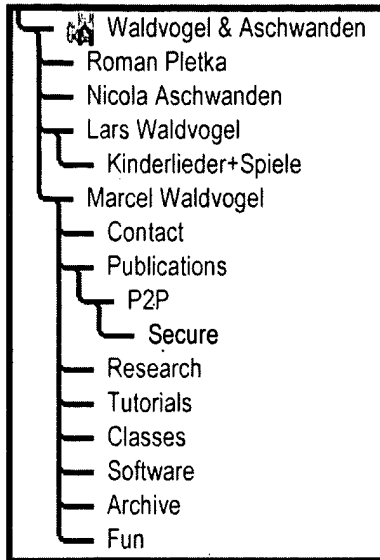
Respectfully submitted,

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Date: March 25, 2009

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# Secure Distributed Document Storage Through Peer-to-Peer Technology

Marcel Waldvogel with Daniel Bauer, Germano Caronni, Paul Hurley, and Roberto Rinaldi:  
**Secure Distributed Document Storage Through Peer-to-Peer Technology**,  
talk at University of Cambridge/Microsoft Research Cambridge  
(December 2003).

## Abstract

The need for scalable and reliable data services is rising continuously. Examples include large-scale web applications, data grids, or organizations whose workflows require an uninterrupted real-time access to vital business data. Storing data in a large and heterogeneous distributed system promises protection against outages or data loss. In this talk I will present the foundations and criteria of such a system and present three of the components leading towards adaptive and safe storage: distributed hash tables (DHT) with geographical layout as a basis, metadata-free replication; and an incentive-driven mechanism to enlist the cooperation of all participating nodes.

## Documents

- PDF (18 slides, 564 kBytes)
- This talk differs from Efficient Document Search and Replica Management in Peer-to-Peer Storage Systems by having the section on distributed search replaced by trust establishment.
- Related publications: Dynamic Replica Management in Distributed Hash Tables, Establishing Trust in Distributed Storage Providers, and Efficient Topology-Aware Overlay Network
- Part of the P2P project

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